

What is claimed is:

1. A wide angle image pickup apparatus comprising:
a solid-state image device containing a standard image
5 pickup region in which image pickup devices of a number
corresponding to the number of horizontal scanning lines of
a video image signal in accordance with standard television
system are arranged in a vertical direction and a peripheral
image pickup region which is provided at least on vertically
10 top and vertically bottom of said standard image pickup region
and in which multiple image pickup devices are arranged in
the vertical direction; and

a reduction processing means for reducing a pixel
signal outputted from the standard image pickup region and
15 peripheral image pickup region of said solid-state image
device so as to output a video signal having said number of
the horizontal scanning lines.

2. A wide angle image pickup apparatus according to
20 claim 1 wherein said solid-state image device reads out a
pixel signal from said standard image pickup region and
peripheral image pickup region and

said reduction processing means contains a memory means
in which a pixel signal outputted from said solid-state image
25 device is written and read out synchronously with a vertical
synchronous signal of said video signal.

3. A wide angle image pickup apparatus according to
claim 1 further including normal image pickup mode and
30 reduction image pickup mode, wherein

under said normal image pickup mode, a pixel signal
outputted from the standard image pickup region of said
solid-state image device is outputted as said video signal
without said reduction processing by said reduction
35 processing means, and

under said reduction image pickup mode, a pixel signal

outputted from the standard image pickup region and peripheral image pickup region of said solid-state image device is outputted as said video signal with said reduction processing by said reduction processing means.

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4. A wide angle image pickup apparatus according to claim 3 wherein said memory means is capable of carrying out write and read of said pixel signal at the same time and under said reduction image pickup mode, said solid-state image device starts output of pixel signals corresponding to a screen at such a timing that a output completion timing of the pixel signal of a screen coincides with a timing of a vertical synchronous signal of said video signal.

15 5. A wide angle image pickup apparatus having a solid-state image device containing a standard image pickup region in which image pickup devices of a number corresponding to the number of horizontal scanning lines of a video image signal in accordance with standard television system are arranged in a vertical direction and a peripheral image pickup region which is provided at least on vertically top and vertically bottom of said standard image pickup region and in which multiple image pickup devices are arranged in the vertical direction,

25 said wide angle image pickup apparatus further containing a moving image output mode for outputting said video signal which is a moving image based on a pixel signal outputted from at least the standard image pickup region of said solid-state image device and a still image output mode for outputting pixel signals corresponding to a screen outputted from the standard image pickup region and peripheral image pickup region of said solid-state image device.